

10/15/15 4:00 PM ME Conference Room Meeting Minutes

4:03 - Everybody here, Update

- Assembly done, everything but Spike is running
- Still need DAQ that connects
- We've been recommended to use a different program, because Spike only likes the DAQ we're missing.
- Twister runs on C++, might be easier to move everything onto a more modern computer
- Depending on sample rate, cost might be less than \$1000

4:11 - New DAQ possibilities/transferring old program to new computer

- Might be able to find a new computer around the department
- We need to look into what Dr. Cohen expects as far as file types and data type
- How necessary is Spike? Why did they choose that and the DAQ they used?
- Quadrature channel is required by rotary encoders, how far you've turned and what direction

4:16 - Design Concept

- Could use an encoder, could use potentiometer

4:24 - Encoders

- Absolute magnetic encoder
- would need special code to read SSI
- Potential magnetic interference?

4:26 - Force Application

- Push-pull solenoid, electromagnet, direct drive motor
- Subject can't hear the weight dropping
- Do we want the weight to continue to be attached?
- Need to ask Dr. Cohen.

4:46 - Harness

- Need to ask where exactly we can pull

4:57 - Look into testing for harness and where arms go.

Done!

Jacquelin - Can Simulink send data elsewhere?

Robert - Email Cohen questions, can code be moved, wiki page

Austin - Headpiece working

Other assignments by Sally